CONSOLIDATED CHECKLIST C5
Part 4 of 5 parts

Standards for Owners and Operators of Hazardous Waste Treatment,
Storage, and Disposal Facilities
40 CFR Part 264, Subparts W-BB, as of June 30, 1997
as published in the July 1, 1997 CFR

Note: Consolidated Checklist C5 is divided into five separate documents/computer files solely for ease of handling its printed and electronic versions. Consolidated Checklist C5 remains one checklist; States must adopt all five portions simultaneously to correctly use this Consolidated Checklist. Note, the prenotes and endnotes associated with each part have been placed with the part to which they apply.

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
SUBPART W - DRIP PADS							
APPLICABILITY							
Subpart W applies to owners and operators of facilities that use new or existing drip pads to convey treated wood drippage, precipitation, and/or surface water run-off to an associated collection system; existing drip pads defined; applicability of 264.573(b)(3) leak collection system requirement	82,92,120	264.570(a)					
owner or operator of certain drip pads inside or under a structure not subject to 264.573(e) or 264.573(f) regulations, as appropriate	82,92	264.570(b)					
Subpart W requirements not applicable to management of infrequent, incidental drippage in storage yards provided:	120	264.570(c)					

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	owner or operator maintains and complies with a written contingency plan describing how owner or operator will respond immediately to discharge of infrequent and incidental drippage; at a minimum, what the contingency plan must describe	120	264.570(c)(1)					
			264.570(c)(1)(i)					
			264.570(c)(1)(ii)					
			264.570(c)(1)(iii)					
			264.570(c)(1)(iv)					
	ASSESSMENT OF EXISTING DRIP PAD INTEGRITY							
	evaluation of existing drip pads; by June 6, 1991, written assessment obtained and kept on file; annual review, update and recertification required until 264.573 standards are met, except 264.573(b) standards for liners and leak detection systems	82,92,120	264.571(a)					
1,2	development of written plan for upgrading, repairing and modifying drip pad to meet 264.573(b) requirements; submittal of plan to Regional Administrator no later than 2 years before completion of modifications; written plan documentation, review and certification requirements	82,92,120	264.571(b)					

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2			264.571(b)(1)					
			264.571(b)(2)					
	removed	82,92	264.571(b)(3)					
	submittal of required drawings and certification to Regional Administrator or State Director upon completion of all upgrades, repairs and modifications	82,92	264.571(c)					
	if drip pad found to be leaking or unfit for use, compliance with 264.573(m) provisions or close drip pad in accordance with 264.575	82,92	264.571(d)					
3	DESIGN AND INSTALLATION OF NEW DRIP PADS							
	owners and operators of new drip pads must ensure that the pads are designed, installed and operated in accordance with one of the following:	82,92,120	264.572					
	all of the requirements of 264.573 (except 264.573(a)(4)), 264.574 and 264.575	120	264.572(a)					
	all of the requirements of 264.573 (except 264.573(b)), 264.574 and 264.575	120	264.572(b)					
3	DESIGN AND OPERATING REQUIREMENTS							
	drip pads must:	82,92	264.573(a)					

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	be constructed of non-earthen materials, excluding wood and non-structurally supported asphalt	82,92	264.573(a)(1)					
	be sloped for free-drainage to the associated collection system	82,92	264.573(a)(2)					
	have a curb or berm around the perimeter	82,92	264.573(a)(3)					
4,5,6	hydraulic conductivity requirements; maintain surface free of cracks and gaps; sealing material must be chemically compatible with preservatives that contact pad; requirements apply to existing drip pads and drip pads of owners/operators electing to comply with 264.572(a)	82,92,120	264.573(a)(4)(i)					
4	owner or operator must obtain and keep at the facility written assessment of drip pad certified by independent qualified registered engineer; assessment must attest to results of evaluation; assessment must be reviewed, updated and recertified annually; evaluation must document extent to which drip pad meets 264.573 (except 264.573(b)) design and operating standards	120	264.573(a)(4)(ii)					

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7	removed	†91,92, †101,120	264.573(a)(4)/notes regarding administrative stays					
8	be of sufficient structural strength and thickness to meet specified conditions	82,92	264.573(a)(5)					
9	if owner/operator elects to comply with § 264.572(b) instead of § 264.572(a), the drip pad must have:	82,92,120	264.573(b)					
	a synthetic liner that meets certain design, construction and installation specifications	82,92	264.573(b)(1)					
	specific requirements for liner construction materials	82,92	264.573(b)(1)(i)					
	foundation or base requirements	82,92	264.573(b)(1)(ii)					
	liner must cover all surrounding earth that could come into contact with the waste or leakage	82,92	264.573(b)(1)(iii)					
	leakage detection system immediately above the liner; detection system must be:	82,92	264.573(b)(2)					
	constructed of materials that are:	82,92	264.573(b)(2)(i)					
	chemically resistant to relevant waste and leakage	82,92	264.573(b)(2)(i)(A)					
	of sufficient strength and thickness to prevent collapse	82,92	264.573(b)(2)(i)(B)					

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designed and operated to function without clogging through the scheduled closure of the drip pad	82,92	264.573(b)(2)(ii)					
designed to detect drip pad failure or the release of hazardous waste or accumulated liquid at the earliest practicable time	82,92	264.573(b)(2)(iii)					
leakage collection system immediately above the liner designed, constructed, maintained and operated to collect leakage from below the drip pad; date, time and quantity of leakage collected must be documented in operating log	120	264.573(b)(3)					
maintenance of drip pads; note regarding remedial action	82,92	264.573(c)					
convey, drain, and collect liquid resulting from drippage or precipitation in order to prevent run-off	82,92	264.573(d)					
run-on control system requirements, unless control system is protected by a structure, as described in 264.570(b)	82,92	264.573(e)					
run-off management system requirements, unless system is protected by a structure, as described in 264.570(b)	82,92	264.573(f)					

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evaluation of drip pad for compliance with 264.573(a)-(f) requirements; design certification required	82,92	264.573(g)					
removal of drippage and accumulated precipitation from associated collection system as necessary to prevent overflow onto the drip pad	82,92	264.573(h)					
thorough cleaning of drip pad surface in a manner and frequency to meet specified conditions; documentation of date, time and cleaning procedure in facility's operating log; owner/ operator must determine whether residues are hazardous under 262.11 and, if so, manage them according to Parts 261-268, 270 and RCRA §3010	82,92,120	264.573(i)					
minimize tracking of hazardous waste or constituents off the drip pad	82,92	264.573(j)					
after removal from treatment vessel, treated wood from pressure and non-pressure processes must be held on pad until drippage has ceased; documentation required	82,92	264.573(k)					

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collection and holding units for run-on and run-off control systems emptied or otherwise managed as soon as possible after storms to maintain design capacity	82,92	264.573(l)					
throughout the active life of the drip pad and as specified in the permit, repair of detected condition that may have caused or has caused a release of hazardous waste within a reasonable period of time, in accordance with the following procedures:	82,92	264.573(m)					
upon detection of a condition that may have caused or has caused a release of hazardous waste, the owner must:	82,92	264.573(m)(1)					
enter discovery in the facility operating log	82,92	264.573(m)(1)(i)					
immediately remove from service affected portion of drip pad	82,92	264.573(m)(1)(ii)					
determine steps to repair drip pad and clean up any leakage; establish schedule for repairs	82,92	264.573(m)(1)(iii)					
notify Regional Administrator within 24 hours after discovery; provide written notice as specified within 10 working days	82,92	264.573(m)(1)(iv)					

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	review, determination and notification by Regional Administrator	82,92	264.573(m)(2)					
	written notification to Regional Administrator and certification of compliance with 264.573(m)(1)(iv) after repairs and clean up	82,92	264.573(m)(3)					
	should a permit be necessary, Regional Administrator will specify in the permit all design and operating practices necessary to ensure that 264.573 requirements are met	82,92	264.573(n)					
	documentation in operating log, as specified, of past operating and waste handling practices	82,92	264.573(o)					
3	INSPECTIONS							
	inspection of liners and cover systems for uniformity, damage and imperfections during construction or installation; inspection and certification of liners to meet 264.573 requirements; maintenance of certification as part of the facility operating record; inspection of liners and covers after installation	82,92	264.574(a)					

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drip pad must be inspected weekly and after storms to detect evidence of any of the following:	82,92	264.574(b)					
deterioration, malfunctions or improper operation of run-on and run-off control systems	82,92	264.574(b)(1)					
presence of leakage in and proper functioning of leak detection system	82,92	264.574(b)(2)					
deterioration or cracking of drip pad surface; note regarding remedial action	82,92	264.574(b)(3)					
3 CLOSURE							
at closure, removal and decontamination requirements; management as hazardous waste	82,92	264.575(a)					
conditions under which owner or operator must close facility and perform post-closure care in accordance with 264.310 requirements; for permitted units, permit requirement continues throughout post-closure period; drip pad is considered a landfill and must meet Subparts G and H requirements of Part 264	82,92	264.575(b)					

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owner or operator of an existing drip pad that does not comply with the 264.573(b)(1) liner requirements must:	82,92	264.575(c)(1)					
include in closure plans for drip pad under 264.112, a plan for 264.575(a) compliance and a contingent plan for 264.575(b) compliance	82,92	264.575(c)(1)(i)					
prepare a contingent post-closure plan under 264.118 for complying with 264.575(b) in case not all contaminated subsoils can be practicably removed at closure	82,92	264.575(c)(1)(ii)					
cost estimates calculated under 264.112 and 264.144 for closure and post-closure care of drip pad subject to 264.575 must include the cost of complying with the contingent closure plan and the contingent post-closure plan; cost of expected closure under 264.575(a) need not be included	82,92	264.575(c)(2)					
SUBPART X - MISCELLANEOUS UNITS							
APPLICABILITY							
to whom requirements apply	45	264.600					

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ENVIRONMENTAL PERFORMANCE STANDARDS							
introductory paragraph regarding human health and the environment	45,154	264.601					
prevention of release to groundwater	45	264.601(a)					
characteristics of waste	45	264.601(a)(1)					
characteristics of unit	45	264.601(a)(2)					
existing quality of groundwater	45	264.601(a)(3)					
ground-water flow	45	264.601(a)(4)					
ground-water users	45	264.601(a)(5)					
patterns of land use	45	264.601(a)(6)					
deposition or migration of wastes	45	264.601(a)(7)					
potential for health risks	45	264.601(a)(8)					
potential for damage from exposure	45	264.601(a)(9)					
prevention of release to surface waters and soil	45	264.601(b)					
characteristics of waste	45	264.601(b)(1)					
migration prevention systems and structures	45	264.601(b)(2)					
hydrologic characteristics	45	264.601(b)(3)					
precipitation patterns	45	264.601(b)(4)					
ground-water flow	45	264.601(b)(5)					
proximity to surface waters	45	264.601(b)(6)					
current and potential uses	45	264.601(b)(7)					

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existing quality of surface waters and soils	45	264.601(b)(8)					
patterns of land use	45	264.601(b)(9)					
potential for health risks	45	264.601(b)(10)					
potential for damage caused by exposure	45	264.601(b)(11)					
prevention of releases to the air	45	264.601(c)					
characteristics of waste	45	264.601(c)(1)					
emission prevention systems and structures	45	264.601(c)(2)					
operating characteristics	45	264.601(c)(3)					
characteristics of unit and area	45	264.601(c)(4)					
existing quality of air	45	264.601(c)(5)					
potential for health risks	45	264.601(c)(6)					
potential for damage from exposure	45	264.601(c)(7)					
MONITORING, ANALYSIS, INSPECTION, RESPONSE, REPORTING, AND CORRECTIVE ACTION							
compliance requirements	45	264.602					
POST-CLOSURE CARE							
post-closure requirements	45	264.603					
SUBPART AA - AIR EMISSION STANDARDS FOR PROCESS VENTS							
10 APPLICABILITY							
regulations in this subpart apply to owners and operators of facilities that treat, store or dispose of hazardous waste except as provided in 264.1	79,87	264.1030(a)					

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except for 264.1034(d)&(e), Subpart AA applies to process vents associated with operations managing hazardous wastes with at least 10 ppmw organic concentrations if conducted in specific units	79,87, 154	264.1030(b)					
unit subject to the permitting requirements of Part 270	79,154	264.1030(b)(1)					
unit not exempt from permitting under 262.34(a) & is located at a hazardous waste management facility subject to part 270, or	79,154	264.1030(b)(2)					
unit that is exempt from permitting under 262.34(a)	154	264.1030(b)(3)					
incorporation of 264.1032 through 264.1036 requirements for permits received under Section 3005 of RCRA prior to December 21, 1990, when permit is reissued under 124.15 or reviewed under 270.50; note included	79	264.1030(c)					

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DEFINITIONS							
introductory paragraph	79	264.1031					
"air stripping operation"	79	264.1031					
"bottoms receiver"	79	264.1031					
"closed-vent system"	79	264.1031					
"condenser"	79	264.1031					
"connector"	79	264.1031					
"continuous recorder"	79	264.1031					
"control device"	79	264.1031					
"control device shutdown"	79	264.1031					
"distillate receiver"	79	264.1031					
"distillation operation"	79	264.1031					
"double block and bleed system"	79	264.1031					
"equipment"	79	264.1031					
"flame zone"	79	264.1031					
"flow indicator"	79	264.1031					
"first attempt at repair"	79	264.1031					
"fractionation operation"	79	264.1031					
"hazardous waste management unit shutdown"	79	264.1031					
"hot well"	79	264.1031					
"in gas/vapor service"	79	264.1031					
"in heavy liquid service"	79	264.1031					
"in light liquid service"	79	264.1031					

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"in situ sampling systems"	79	264.1031					
"in vacuum service"	79	264.1031					
"malfunction"	79	264.1031					
"open-ended valve or line"	79	264.1031					
"pressure release"	79	264.1031					
"process heater"	79	264.1031					
"process vent"	79	264.1031					
"repaired"	79	264.1031					
"sensor"	79	264.1031					
"separator tank"	79	264.1031					
"solvent extraction operation"	79	264.1031					
"startup"	79	264.1031					
"steam stripping operation"	79	264.1031					
"surge control tank"	79	264.1031					
"thin-film evaporation operation"	79	264.1031					
"vapor incinerator"	79	264.1031					
"vented"	79	264.1031					
STANDARDS: PROCESS VENTS							
owner or operator of facility with process vents meeting certain conditions shall either:	79	264.1032(a)					
reduce total organic emissions below 1.4 kg/h and 2.8 Mg/yr	79	264.1032(a)(1)					

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using control device, reduce total organic emissions by 95 weight percent	79	264.1032(a)(2)					
264.1033 requirements must be met if owner or operator installs closed-vent system and control device to comply with 264.1032(a) provisions	79	264.1032(b)					
use of engineering calculations or performance tests (conforming to 264.1034(c) requirements) may be used for determining 1) vent emissions and emission reductions or 2) total organic compound concentrations achieved by add-on control devices	79	264.1032(c)					
use of 264.1034(c) procedures to resolve disagreements between owner or operator and Regional Administrator on vent determinations	79	264.1032(d)					
STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES							
compliance with provisions of 264.1033 by owners or operators of closed-vent systems and control devices used to comply with provisions of Part 264	79	264.1033(a)(1)					

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preparation of an implementation schedule by owner or operator, of existing facility, who cannot install a closed-vent system and control device to comply with Subpart AA provisions by effective date; units that begin operation after December 21, 1990, must comply with the rules immediately	79,154	264.1033(a)(2)					
specification of efficiency standards for control device involving vapor recovery unless 264.1032(a)(1) emission limits can be attained	79	264.1033(b)					
organic emission standards for enclosed combustion device; for boiler or process heater used as control device, vent stream introduced into flame zone	79	264.1033(c)					
specifications for the design and operation of a flare	79	264.1033(d)(1)					
		264.1033(d)(2)					
		264.1033(d)(3)					
		264.1033(d)(4)(i)					
		264.1033(d)(4)(ii)					
		264.1033(d)(4)(iii)					
		264.1033(d)(5)					
		264.1033(d)(6)					

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determination of compliance of a flare with the visible emission provisions of Subpart AA using Reference Method 22 in 40 CFR Part 60	79	264.1033(e)(1)					
calculation of net heating value of gas being combusted in a flare using specified equation	79	264.1033(e)(2)					
determination of actual exit velocity of a flare using flow rate as determined by Reference Methods 2, 2A, 2C or 2D in 40 CFR Part 60	79	264.1033(e)(3)					
determination of maximum allowed velocity for a flare complying with 264.1033(d)(4)(iii)	79	264.1033(e)(4)					
determination of maximum allowed velocity for an air-assisted flare	79	264.1033(e)(5)					
monitoring and inspection of control device by owner and operator to ensure compliance with 264.1033 by implementing specified requirements:	79	264.1033(f)					
installation, calibration, maintenance, and operation of a flow indicator; where sensor shall be installed	79	264.1033(f)(1)					

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specifications for installation, calibration, maintenance, and operation of a device to continuously monitor control device operation:	79	264.1033(f)(2)					
temperature monitoring device with a continuous recorder for a thermal vapor incinerator	79	264.1033(f)(2)(i)					
temperature monitoring device with a continuous recorder for a catalytic vapor incinerator	79	264.1033(f)(2)(ii)					
heat sensing monitoring device with a continuous recorder for a flare	79	264.1033(f)(2)(iii)					
temperature monitoring device with a continuous recorder for a boiler or process heater having a design heat input capacity less than 44 MW	79	264.1033(f)(2)(iv)					
monitoring device with a continuous recorder for a boiler or process heater having a design heat input capacity greater than or equal to 44 MW	79	264.1033(f)(2)(v)					
for a condenser, either:	79	264.1033(f)(2)(vi)					
monitoring device with a continuous recorder to measure concentration level of the organic compounds in the exhaust vent stream from the condenser	79	264.1033(f)(2)(vi)(A)					

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temperature monitoring device with a continuous recorder; specifications	79,154	264.1033(f)(2)(vi)(B)					
for a carbon adsorption system, either:	79	264.1033(f)(2)(vii)					
monitoring device with a continuous recorder to measure concentration level of organic compounds in exhaust vent stream from carbon bed	79	264.1033(f)(2)(vii)(A)					
monitoring device with a continuous recorder to measure a parameter that indicates the carbon bed is regenerated on a regular predetermined time cycle	79	264.1033(f)(2)(vii)(B)					
daily inspection of readings from monitoring device required by 264.1033(f)(1) and 264.1033(f)(2); implement corrective measures if necessary	79,87	264.1033(f)(3)					
replacement of existing carbon in control device by owner or operator using a fixed-bed carbon adsorber that meets the 264.1035(b)(4)(iii)(F) requirement	79	264.1033(g)					
replacement of carbon on a regular basis by owner or operator using a carbon canister	79	264.1033(h)					

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monitor organic compounds daily or at interval no greater than 20 percent of time required to consume total carbon working capacity established at 264.1035(b)(4) (iii)(G), whichever is longer; replace existing carbon when carbon break-through occurs	79	264.1033(h)(1)					
replacement of existing carbon at intervals less than design carbon replacement interval established as a requirement of 264.1035(b)(4)(iii)(G)	79	264.1033(h)(2)					
alternative operational or process parameter may be monitored if specific demonstration can be made	79	264.1033(i)					
documentation requirements for owner or operator seeking to comply with Part 264 provisions by using a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater condenser, or carbon adsorption system	79	264.1033(j)					
design requirements for closed-vent system are either:	154	264.1033(k)					

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	to operate with no detectable emissions as determined by 264.1034(b) & visual inspections; or	79,154	264.1033(k)(1)					
	to operate at a pressure below atmospheric pressure; how to equip system	79,154	264.1033(k)(2)					
	control of detectable emissions no later than 15 calendar days after emission is detected	79	264.1033(k)(3)					
	first attempt at repair no later than 5 calendar days after emission is detected	79	264.1033(k)(4)					
11	owner/operator to monitor & inspect closed-vent system to ensure proper operation & maintenance by implementing following:	154	264.1033(l)					
	closed-vent system used to comply with 264.1033(k)(1) shall be inspected & monitored in accordance with:	154	264.1033(l)(1)					
	initial leak detection monitoring shall be conducted by owner/operator using procedures in 264.1034(b)	154	264.1033(l)(1)(i)					

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owner/operator shall inspect & monitor the closed-vent system, after initial leak detection monitoring required in 264.1033(l)(1)(i)	154	264.1033(l)(1)(ii)					
	154	264.1033(l)(1)(ii)(A)					
	154	264.1033(l)(1)(ii)(B)					
in event that defect or leak is detected, the owner/operator shall repair in accordance with 264.1033(l)(3)	154	264.1033(l)(1)(iii)					
owner/operator shall maintain record of inspection & monitoring in accordance with 264.1035	154	264.1033(l)(1)(iv)					
closed-vent system used to comply with 246.1033(k)(2) shall be inspected & monitored in accordance with specified requirements	154	264.1033(l)(2)					
	154	264.1033(l)(2)(i)					
	154	264.1033(l)(2)(ii)					
	154	264.1033(l)(2)(iii)					
	154	264.1033(l)(2)(iv)					
owner/operator shall repair all detected defects as follows:	154	264.1033(l)(3)					
detectable emissions shall be controlled as soon as practicable, but not later than 15 days after detection, except as in 264.1033(l)(3)(iii)	154	264.1033(l)(3)(i)					
first attempt at repair to be made no later than 5 days after emission is detected	154	264.1033(l)(3)(ii)					

	FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
	when delay of closed-vent repair allowed; if repair is infeasible without shutdown or emissions resulting from repair are greater than those from delay, then repair shall be completed by end of next shutdown	154	264.1033(l)(3)(iii)					
	owner/operator shall maintain record of repair in accordance with 264.1035	154	264.1033(l)(3)(iv)					
11	closed vent systems and control devices used to comply with provisions of Subpart AA shall be operated at all times when emissions may be vented to them	79, 154	264.1033(m)					
	owner or operator using carbon adsorption system shall document that carbon that is hazardous waste & removed from control device is managed in one of the following manners:	154	264.1033(n)					
	regenerated or reactivated in a thermal unit that meets one of the following:	154	264.1033(n)(1)					
	owner/operator has been issued final permit under part 270, which implements subpart X requirements; or	154	264.1033(n)(1)(i)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
unit is equipped with & operating air emission controls in accordance with subparts AA & CC of 264 or 265; or	154	264.1033(n)(1)(ii)					
unit is equipped with & operating air emission controls in accordance with national emission standards of parts 61 or 63	154	264.1033(n)(1)(iii)					
incinerated in a hazardous waste incinerator for which the owner or operator either:	154	264.1033(n)(2)					
has been issued a final permit under part 270 which implements the requirements of part 264, subpart O; or	154	264.1033(n)(2)(i)					
has designed and operates the incinerator in accordance with part 265, subpart O	154	264.1033(n)(2)(ii)					
burned in a boiler or industrial furnace for which the owner or operator either:	154	264.1033(n)(3)					
has been issued a final permit under part 270 which implements part 266, subpart H; or	154	264.1033(n)(3)(i)					
has designed & operates boiler or industrial furnace in accordance with part 266, subpart H	154	264.1033(n)(3)(ii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
any components of a closed-vent system designated in 264.1035(c)(9) as unsafe are exempt from requirements of 264.1033(l)(1)(ii)(B) if:	154	264.1033(o)					
owner/operator determines that monitoring personnel would be in danger as a consequence of complying; &	154	264.1033(o)(1)					
owner/operator adheres to written plan requiring monitoring using procedure in 264.1033(l)(1)(ii)(B) as frequently as practicable	154	264.1033(o)(2)					
TEST METHODS AND PROCEDURES							
compliance with 264.1034 test methods and procedures by owner or operator subject to provisions of Subpart AA	79	264.1034(a)					
when testing a closed-vent system for compliance with 264.1033(l) requirements, comply with following test requirements:	79,154	264.1034(b)					
monitoring in compliance with Reference Method 21 in 40 CFR Part 60	79	264.1034(b)(1)					
detection instrument shall meet the performance criteria of Reference Method 21	79	264.1034(b)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
calibration of instrument by procedures specified in Reference Method 21	79	264.1034(b)(3)					
calibration gases shall be:	79	264.1034(b)(4)					
zero air	79	264.1034(b)(4)(i)					
mixture of methane or n-hexane and air at specified concentration	79	264.1034(b)(4)(ii)					
background level determined as set forth in Reference Method 21	79	264.1034(b)(5)					
instrument probe traverse requirements as described in Reference Method 21	79	264.1034(b)(6)					
arithmetic difference compared with 500 ppm for compliance determination	79	264.1034(b)(7)					
performance test requirements to determine compliance with 264.1032(a) and 264.1033(c)	79	264.1034(c)					
reference methods and calculation procedures to use when determining total organic compound concentrations and mass flow rates	79	264.1034(c)(1)					
Method 2 in 40 CFR Part 60 for velocity and volumetric flow rate	79	264.1034(c)(1)(i)					
Method 18 in 40 CFR Part 60 for organic content	79	264.1034(c)(1)(ii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
performance tests in three separate runs; conditions for conducting runs; averaging results on a time-weighted basis	79	264.1034(c)(1)(iii)					
equation for determining total organic mass flow rates	79	264.1034(c)(1)(iv)					
equation for determining annual total organic emission rate	79	264.1034(c)(1)(v)					
determination of total organic emissions from all process vents using 264.1034(c)(1)(iv) equation and 264.1034(c)(1)(v) equation	79	264.1034(c)(1)(vi)					
recording of process information necessary to determine performance test conditions; certain operational periods not applicable	79	264.1034(c)(2)					
performance testing facilities provided by owner or operator	79	264.1034(c)(3)					
sampling ports adequate for 264.1034(c)(1) test methods	79	264.1034(c)(3)(i)					
safe sampling platform(s)	79	264.1034(c)(3)(ii)					
safe access to sampling platform(s)	79	264.1034(c)(3)(iii)					
utilities for sampling and testing equipment	79	264.1034(c)(3)(iv)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
use of time-weighted average of three runs in making compliance determinations; Regional Administrator approval needed for average based on two runs if a sample is accidentally lost or certain conditions occur	79	264.1034(c)(4)					
to demonstrate a process vent is not subject to Subpart AA requirements, use one of two methods to determine an annual average total organic concentration of less than 10 ppmw	79	264.1034(d)					
direct measurement using the following procedures:	79	264.1034(d)(1)					
minimum of four grab samples under specified process conditions	79	264.1034(d)(1)(i)					
for waste generated onsite, collect grab samples before exposure to the atmosphere; for waste generated offsite, collect grab samples at the inlet to the first waste management unit that receives the waste under specific conditions	79	264.1034(d)(1)(ii)					
sample analysis using Method 9060 or 8260 of SW-846	79,158	264.1034(d)(1)(iii)					
calculation of time-weighted, annual average total organic concentration of waste	79	264.1034(d)(1)(iv)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
using knowledge of the waste to determine its total organic concentration is less than 10 ppmw; documentation of the waste determination is required; examples of acceptable documentation	79	264.1034(d)(2)					
guidelines for the determination that hazardous wastes are managed with time-weighted, annual average total organic concentrations less than 10 ppmw	79	264.1034(e)					
		264.1034(e)(1)					
		264.1034(e)(2)					
		264.1034(e)(3)					
Method 8260 of SW-846 procedures used to resolve dispute in case of disagreement between owner or operator and Regional Administrator regarding the determination made in 264.1034(e)	79,158	264.1034(f)					
RECORDKEEPING REQUIREMENTS							
compliance with recordkeeping requirements	79	264.1035(a)(1)					
recordkeeping requirements for more than one hazardous waste management unit in one recordkeeping system	79	264.1035(a)(2)					
information that must be recorded in the facility operating record	79	264.1035(b)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
for 264.1033(a)(2)-complying facilities, an implementation schedule that includes specified dates and rationale; inclusion in operating record by effective date the facility becomes subject to Subpart AA provisions	79	264.1035(b)(1)					
up-to-date documentation of 264.1032 standards	79	264.1035(b)(2)					
information and data identifying all affected process vents and specific information for each vent	79	264.1035(b)(2)(i)					
information and data supporting determinations of vent emissions and emission reductions; new determination required if any action taken increases total emissions	79	264.1035(b)(2)(ii)					
a performance test plan for owners or operators using test data for determination	79	264.1035(b)(3)					
a description of the determination that a planned test will be conducted when unit is operating at the highest load or capacity level	79	264.1035(b)(3)(i)					
detailed engineering description of closed-vent system and control device	79	264.1035(b)(3)(ii)					
		264.1035(b)(3)(ii)(A)					
		264.1035(b)(3)(ii)(B)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
		264.1035(b)(3)(ii)(C)					
		264.1035(b)(3)(ii)(D)					
		264.1035(b)(3)(ii)(E)					
detailed description of sampling and monitoring procedures	79	264.1035(b)(3)(iii)					
documentation of compliance with 264.1033	79	264.1035(b)(4)					
information references and sources	79	264.1035(b)(4)(i)					
records including the dates of each compliance test required by 264.1033(k)	79,87	264.1035(b)(4)(ii)					
if engineering calculations are used, a design analysis and other documents that present basic control device design information; design analysis addresses vent stream characteristics and control device operation parameters	79	264.1035(b)(4)(iii)					
design analysis requirements for a thermal vapor incinerator	79	264.1035(b)(4)(iii)(A)					
design analysis requirements for a catalytic vapor incinerator	79	264.1035(b)(4)(iii)(B)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
design analysis requirements for a boiler or process heater	79	264.1035(b)(4)(iii)(C)					
design analysis requirements for a flare	79	264.1035(b)(4)(iii)(D)					
design analysis requirements for a condenser	79	264.1035(b)(4)(iii)(E)					
design analysis requirements for carbon adsorption system that regenerates the carbon bed directly onsite	79	264.1035(b)(4)(iii)(F)					
design analysis requirements for a carbon adsorption system that does not regenerate the carbon bed directly onsite	79	264.1035(b)(4)(iii)(G)					
certification statement signed and dated by owner or operator regarding operating parameters	79	264.1035(b)(4)(iv)					
certification statement signed and dated by owner or operator regarding control equipment meeting design specifications	79	264.1035(b)(4)(v)					
all test results when performance tests are used to demonstrate compliance	79	264.1035(b)(4)(vi)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
information to be recorded and kept up-to-date in the facility operating record for each closed-vent system and control device subject to the Part 264 regulations	79	264.1035(c)					
description and date of each modification	79	264.1035(c)(1)					
identification of operating parameter, description of monitoring device and location diagram for compliance with 264.1033(f)(1) and (f)(2)	79	264.1035(c)(2)					
information required by 264.1033(f)-(k)	79	264.1035(c)(3)					
date, time and duration of each period that occurs while control device is operating when any monitored parameter exceeds the value established in the design analysis	79	264.1035(c)(4)					
when combustion temperature is below 760°C or more than 28°C below design average combustion zone temperature for a thermal vapor incinerator	79	264.1035(c)(4)(i)					
		264.1035(c)(4)(ii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
when temperature of vent stream is more than 28°C below average temperature or when temperature difference across catalyst bed is less than 80 percent of the design average temperature difference for a catalytic vapor incinerator	79	264.1035(c)(4)(iii) 264.1035(c)(4)(iii)(A) 264.1035(c)(4)(iii)(B)					
boiler or process heater	79	264.1035(c)(4)(iv)					
flame zone temperature is more than 28°C below design average temperature	79	264.1035(c)(4)(iv)(A)					
position changes	79	264.1035(c)(4)(iv)(B)					
period when the pilot flame is not ignited for a flare	79	264.1035(c)(4)(v)					
period when organic compounds are more than 20 percent greater than the design level for a condenser	79	264.1035(c)(4)(vi)					
condenser that complies with 264.1033(f)(2)(vi)(B)	79	264.1035(c)(4)(vii)					
temperature of exhaust vent stream is more than 6°C above design average temperature	79	264.1035(c)(4)(vii)(A)					
temperature of exiting coolant fluid is more than 6°C above design average temperature	79	264.1035(c)(4)(vii)(B)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
period when organic compounds are more than 20 percent greater than the design level for a carbon adsorption system	79	264.1035(c)(4)(viii)					
period when vent stream flow exceeds predetermined regeneration time for a carbon adsorption system	79	264.1035(c)(4)(ix)					
explanation for each period under 264.1035(c)(4) of the cause for parameters being exceeded and measures implemented	79	264.1035(c)(5)					
date when existing carbon is replaced	79	264.1035(c)(6)					
log to record specific dates	79	264.1035(c)(7)					
		264.1035(c)(7)(i)					
		264.1035(c)(7)(ii)					
date of each control device startup and shutdown	79	264.1035(c)(8)					
recordkeeping requirements for owner/operator designating any components of a closed-vent system as unsafe to monitor pursuant to 264.1033(o)	154	264.1035(c)(9)					
when each leak is detected as in 264.1033(l), the following shall be recorded:	154	264.1035(c)(10)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
instrument number, closed-vent system component ID number, & operator name, initials, or ID number	154	264.1035(c)(10)(i)					
date leak was detected & date of first attempt to repair	154	264.1035(c)(10)(ii)					
date of successful repair	154	264.1035(c)(10)(iii)					
maximum instrument reading by Method 21, part 60, Appendix A	154	264.1035(c)(10)(iv)					
"repair delayed" & reason for delay if not repaired within 15 days	154	264.1035(c)(10)(v)					
develop written procedure that identifies conditions that justify delay of repair	154	264.1035(c)(10)(v)(A)					
documentation requirement if repair delay was caused by depletion of stocked parts	154	264.1035(c)(10)(v)(B)					
records required by paragraphs 264.1035(c)(3)-(c)(10) shall be maintained by the owner/operator for at least 3 years following date of each occurrence, measurement, maintenance, corrective action, or record	79,154	264.1035(d)					
specification of recordkeeping requirements for certain control devices by Regional Administrator	79	264.1035(e)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
logging of information used to determine if process vent is subject to 264.1032 and 264.1034(d)(2)	79	264.1035(f)					
REPORTING REQUIREMENTS							
semiannual report submitted by date specified by Regional Administrator; information the report must contain:	79	264.1036(a)					
EPA ID number, name and address of facility	79	264.1036(a)(1)					
dates when design specifications are exceeded, duration and cause, and corrective measures taken	79	264.1036(a)(2)					
exception to reporting requirements specified in 264.1036(a)	79	264.1036(b)					
reserved		264.1037-264.1049					
SUBPART BB - AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS							
10 APPLICABILITY							
owners and operators of facilities that treat, store or dispose of hazardous wastes except as provided in 264.1	79	264.1050(a)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
except as provided in 264.1064(k), applicability of Subpart BB to equipment that contains or contacts hazardous wastes with organic concentrations of at least 10 percent by weight that are managed in units or facilities subject to part 270 permitting requirements	79,154	264.1050(b)					
	79,87,154	264.1050(b)(1)					
	79,154	264.1050(b)(2)					
	154	264.1050(b)(3)					
for permits received under Section 3005 of RCRA prior to December 21, 1990, requirements of 264.1052-264.1065 must be incorporated when permit is reissued under 124.15 or reviewed under 270.50	79	264.1050(c)					
equipment subject to Subpart BB, Part 264 shall be marked	79	264.1050(d)					
equipment in vacuum service excluded from requirements of 264.1052 to 264.1060 if identified as required in 264.1064(g)(5)	79	264.1050(e)					
equipment that contains or contacts hazardous waste with specific organic concentration is excluded from 264.1052-264.1060 if identified as required in 264.1064(g)(6)	154	264.1050(f)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
DEFINITIONS							
all terms have meaning given them in 264.1031, the Act, and Parts 260-266	79	264.1051					
STANDARDS: PUMPS IN LIGHT LIQUID SERVICE							
monthly monitoring to detect leaks as specified by 264.1063(b) methods except as provided in 264.1052(d), (e) and (f)	79	264.1052(a)(1)					
visual inspection each calendar week	79	264.1052(a)(2)					
conditions indicating a leak is detected	79,87	264.1052(b)(1)					
	79	264.1052(b)(2)					
time frame for leak repair, except as provided in 264.1059	79	264.1052(c)(1)					
first attempt at leak repair not to exceed 5 calendar days after leak detection	79	264.1052(c)(2)					
pump equipped with dual mechanical seal system that includes a barrier fluid system is exempt from 264.1052(a) if specific requirements are met:	79	264.1052(d)					
operational and equipment requirements for a dual mechanical seal system	79	264.1052(d)(1)					
		264.1052(d)(1)(i)					
		264.1052(d)(1)(ii)					
		264.1052(d)(1)(iii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
organic concentration limitation for barrier fluid system	79	264.1052(d)(2)					
sensor requirement	79	264.1052(d)(3)					
weekly visual check of pump	79	264.1052(d)(4)					
daily check of barrier fluid system sensor or monthly check of audible alarm	79	264.1052(d)(5)(i)					
determination of criterion to indicate failure of systems	79	264.1052(d)(5)(ii)					
leak detection criteria	79	264.1052(d)(6)(i)					
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	79	264.1052(d)(6)(ii)					
first attempt at leak repair not to exceed 5 calendar days after leak detection	79	264.1052(d)(6)(iii)					
conditions under which pump designated for no detectable emissions is exempt from 264.1052(a), (c) and (d) requirements	79	264.1052(e)					
		264.1052(e)(1)					
		264.1052(e)(2)					
		264.1052(e)(3)					
pump equipped with closed-vent system and control device in compliance with 264.1060 is exempt from 264.1052(a)-(e) requirements	79	264.1052(f)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
STANDARDS: COMPRESSORS							
seal system requirement for compressor, except as provided in 264.1053(h)&(i)	79	264.1053(a)					
		264.1053(b)					
		264.1053(b)(1)					
		264.1053(b)(2)					
specifications for compressor seal system	79	264.1053(b)(3)					
organic concentration limitation for barrier fluid	79	264.1053(c)					
sensor requirement	79	264.1053(d)					
daily check of barrier fluid system sensor or monthly check of audible alarm; daily check if compressor located within boundary of unmanned site	79	264.1053(e)(1)					
determination of criterion to indicate failure of systems	79	264.1053(e)(2)					
leak detection criteria	79	264.1053(f)					
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	79	264.1053(g)(1)					
first attempt at leak repair not to exceed 5 calendar days after leak detection	79	264.1053(g)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
compressor equipped with closed-vent system and control device in compliance with 264.1060 is exempt from 264.1053(a)&(b) requirements, except as provided in 264.1053(i)	79	264.1053(h)					
conditions under which compressor designated for no detectable emissions is exempt from 264.1053(a) through (h) requirements	79	264.1053(i)					
		264.1053(i)(1)					
		264.1053(i)(2)					
STANDARDS: PRESSURE RELIEF DEVICES IN GAS/VAPOR SERVICE							
except during pressure releases, no detectable emission standards for the operation of pressure relief device in gas/vapor service, as measured by 264.1063(c) method	79	264.1054(a)					
time requirement and criteria for return of pressure relief device to a condition of no detectable emissions, except as provided in 264.1059	79	264.1054(b)(1)					
monitoring of pressure relief device within 5 calendar days after pressure relief to confirm no detectable emissions, as measured by 264.1063(c) method	79	264.1054(b)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
pressure relief device equipped with closed-vent system and control device in compliance with 264.1060 is exempt from 264.1054(a)&(b)	79	264.1054(c)					
STANDARDS: SAMPLING CONNECTING SYSTEMS							
sampling connecting system equipped with closed-purge, closed loop or closed-vent system; reason for sample purge system; gases displaced during filling do not require collection	79,154	264.1055(a)					
return, collect and recycle purged waste with no detectable emissions; control device in compliance with 264.1060	79,154	264.1055(b)					
		264.1055(b)(1)					
		264.1055(b)(2)					
		264.1055(b)(3)					
in situ sampling systems and sampling systems without purges exempt from 264.1055(a)&(b) requirements	79,154	264.1055(c)					
STANDARDS: OPEN-ENDED VALVES OR LINES							
each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve	79	264.1056(a)(1)					
requirement to seal open end at all times except during specified operations	79	264.1056(a)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
operational requirements for open-ended valve or line equipped with a second valve	79	264.1056(b)					
requirements for bleed valve or line when a double block and bleed system is used; compliance with 264.1056(a)	79	264.1056(c)					
STANDARDS: VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE							
monthly monitoring of each valve in gas/vapor or light liquid service using 264.1063(b) methods; compliance with 264.1057(b)-(e), except as provided in 264.1057(f),(g)&(h), 264.1061 and 264.1062	79	264.1057(a)					
instrument reading of 10, 000 ppm or greater indicates leak	79	264.1057(b)					
monitoring requirements if leak not detected for two successive months	79	264.1057(c)(1)					
monthly monitoring requirement if leak detected	79	264.1057(c)(2)					
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	79	264.1057(d)(1)					
first attempt at leak repair not to exceed 5 calendar days after leak detection	79	264.1057(d)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
best practices to include in first attempt at repair	79	264.1057(e)					
		264.1057(e)(1)					
		264.1057(e)(2)					
		264.1057(e)(3)					
		264.1057(e)(4)					
valve designated for no detectable emissions under 264.1064(g)(2) is exempt from 264.1057(a) requirements if specified conditions are met	79	264.1057(f)					
		264.1057(f)(1)					
		264.1057(f)(2)					
		264.1057(f)(3)					
conditions under which an unsafe-to-monitor valve as described in 264.1064(h)(1) is exempt from 264.1057(a) requirements	79	264.1057(g)					
		264.1057(g)(1)					
		264.1057(g)(2)					
conditions under which a difficult-to-monitor valve as described in 264.1064(h)(2) is exempt from 264.1057(a) requirements	79	264.1057(h)					
		264.1057(h)(1)					
		264.1057(h)(2)					
		264.1057(h)(3)					
STANDARDS: PUMPS AND VALVES IN HEAVY LIQUID SERVICE, PRESSURE RELIEF DEVICES IN LIGHT LIQUID OR HEAVY LIQUID SERVICE, AND FLANGES AND OTHER CONNECTORS							
monitoring of specified pumps and valves, pressure relief devices, flanges and other connectors within 5 days using 264.1063(b) methods in case of potential leaks	79	264.1058(a)					
reading of 10,000 ppm or greater indicates leak	79	264.1058(b)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
repair of leak not to exceed 15 calendar days, except as provided in 264.1059	79	264.1058(c)(1)					
first attempt at leak repair not to exceed 5 calendar days after leak detection	79	264.1058(c)(2)					
first attempt at repair includes best practices described under 264.1057(e)	79	264.1058(d)					
exemption from the 265.1058(a) & 264.1064 requirements for inaccessible, ceramic or ceramic-lined connectors	154	264.1058(e)					
STANDARDS: DELAY OF REPAIR							
requirements for the delay of repair of equipment for which leaks have been detected	79	264.1059(a)					
type of equipment for which delay of repair allowed	79	264.1059(b)					
conditions under which delay of repair of valves allowed	79	264.1059(c)					
		264.1059(c)(1)					
		264.1059(c)(2)					
conditions under which delay of repair of pumps allowed	79	264.1059(d)					
		264.1059(d)(1)					
		264.1059(d)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
conditions for delay of repair beyond a hazardous waste management unit shutdown	79	264.1059(e)					
STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES							
owners or operators of closed-vent systems and control devices shall comply with 264.1033 provisions	79	264.1060					
ALTERNATIVE STANDARDS FOR VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE: PERCENTAGE OF VALVES ALLOWED TO LEAK							
alternative standard allowing no greater than 2 percent of valves to leak for an owner or operator subject to 264.1057 requirements	79	264.1061(a)					
notification, performance test, and repair requirements if an owner or operator decides to comply with alternative standard	79	264.1061(b)					
		264.1061(b)(1)					
		264.1061(b)(2)					
		264.1061(b)(3)					
monitoring standards, leak detection criterion and determination of leak percentage when conducting performance tests	79	264.1061(c)					
		264.1061(c)(1)					
		264.1061(c)(2)					
		264.1061(c)(3)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
written notification to Regional Administrator of intent to follow 264.1057(a)-(e) work practice standard if owner or operator decides to no longer comply with 264.1061	79	264.1061(d)					
ALTERNATIVE STANDARDS FOR VALVES IN GAS/VAPOR SERVICE OR IN LIGHT LIQUID SERVICE: SKIP PERIOD LEAK DETECTION AND REPAIR							
election to comply with 264.1062(b)(2)&(3) alternative work practices by owner or operator subject to 264.1057 requirements	79	264.1062(a)(1)					
notification of Regional Administrator before implementing alternative work practice	79	264.1062(a)(2)					
compliance with 264.1057 requirements, except as described in 264.1062(b)(2)&(3)	79	264.1062(b)(1)					
conditions under which an owner or operator may begin to skip one of the quarterly leak detection periods for valves subject to 264.1057 requirements	79	264.1062(b)(2)					
conditions under which an owner or operator may begin to skip three of the quarterly leak detection periods for valves subject to 264.1057 requirements	79	264.1062(b)(3)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
compliance with 264.1057 monthly monitoring requirements if percentage of valves leaking exceeds 2 percent; may elect to use 264.1062 requirements again after meeting 264.1057(c)(1) requirements	79	264.1062(b)(4)					
TEST METHODS AND PROCEDURES							
compliance with test methods and procedures requirements by owner or operator subject to provisions of Subpart BB	79	264.1063(a)					
leak detection monitoring as required in 264.1052-264.1062 shall comply with specified requirements:	79	264.1063(b)					
monitoring in compliance with Reference Method 21 in 40 CFR Part 60	79	264.1063(b)(1)					
detection instrument shall meet the performance criteria of Reference Method 21	79	264.1063(b)(2)					
calibration of instrument by procedures specified in Reference Method 21	79	264.1063(b)(3)					
calibration gases shall be:	79	264.1063(b)(4)					
zero air	79	264.1063(b)(4)(i)					
mixture of methane or n-hexane and air at specified concentration	79	264.1063(b)(4)(ii)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
instrument probe traverse requirements as described in Reference Method 21	79	264.1063(b)(5)					
test compliance requirements for equipment with no detectable emissions as required in 264.1052(e), 264.1053(i), 264.1054 and 264.1057(f)	79	264.1063(c)					
		264.1063(c)(1)					
		264.1063(c)(2)					
		264.1063(c)(3)					
		264.1063(c)(4)					
in accordance with 264.13(b), determination by owner or operator of whether equipment contains or contacts a hazardous waste with organic concentration equal to or greater than 10% by weight using the following:	79	264.1063(d)					
methods described in ASTM Methods D 2267-88, E 169-87, E 168-88 and E 260-85	79	264.1063(d)(1)					
Method 9060 or 8260 of SW-846	79,158	264.1063(d)(2)					
application of the knowledge of the nature of the hazardous waste stream or the process by which it was produced; documentation required; examples of documentation	79	264.1063(d)(3)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
determination as specified in 264.1063(d) can be revised only after following 264.1063(d)(1) or (d)(2) procedures	79	264.1063(e)					
use of 264.1063(d)(1) or (d)(2) to resolve determination disputes between owner or operator and Regional Administrator	79	264.1063(f)					
samples used for determination representative of highest expected total organic content hazardous waste	79	264.1063(g)					
to determine if pumps or valves are in light liquid service, vapor pressures of constituents may be obtained from standard reference texts or may be determined by ASTM D-2879-86	79	264.1063(h)					
performance tests for control device shall comply with 264.1034(c)(1) through (c)(4) procedures	79	264.1063(i)					
RECORDKEEPING REQUIREMENTS							
compliance with recordkeeping requirements	79	264.1064(a)(1)					
recordkeeping requirements for more than one hazardous waste management unit in one recordkeeping system	79	264.1064(a)(2)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
specific information that owners and operators must record in the facility operating record	79	264.1064(b)					
		264.1064(b)(1)					
		264.1064(b)(1)(i)					
		264.1064(b)(1)(ii)					
		264.1064(b)(1)(iii)					
		264.1064(b)(1)(iv)					
		264.1064(b)(1)(v)					
		264.1064(b)(1)(vi)					
for facilities that comply with the provisions of 264.1033(a)(2), an implementation schedule as specified in 264.1033(a)(2)	79	264.1064(b)(2)					
performance test plan as specified in 264.1035(b)(3) if test data are used for control device demonstration	79	264.1064(b)(3)					
documentation of compliance with 264.1060, including documentation or results specified in 264.1035(b)(4)	79	264.1064(b)(4)					
information requirements when each leak is detected as specified in 264.1052, 264.1053, 264.1057 and 264.1058	79	264.1064(c)					
		264.1064(c)(1)					
		264.1064(c)(2)					
		264.1064(c)(3)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
inspection log information requirements when each leak is detected as specified in 264.1052, 264.1053, 264.1057 and 264.1058	79	264.1064(d)					
		264.1064(d)(1)					
		264.1064(d)(2)					
		264.1064(d)(3)					
		264.1064(d)(4)					
		264.1064(d)(5)					
		264.1064(d)(6)					
		264.1064(d)(7)					
		264.1064(d)(8)					
		264.1064(d)(9)					
		264.1064(d)(10)					
for each closed-vent system and control device subject to 264.1060, design documentation and monitoring, operating and inspection information recorded in facility operating record as specified in 264.1035(c)	79	264.1064(e)					
for a control device other than thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system, Regional Administrator will specify appropriate recordkeeping requirements	79	264.1064(f)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
information requirements for equipment subject to the requirements of 264.1052 through 264.1060 to be recorded in a log and kept in the facility operating record		264.1064(g)					
		264.1064(g)(1)					
		264.1064(g)(2)(i)					
		264.1064(g)(2)(ii)					
		264.1064(g)(3)					
		264.1064(g)(4)(i)					
		264.1064(g)(4)(ii)					
		264.1064(g)(4)(iii)					
	79	264.1064(g)(5)					
	154	264.1064(g)(6)					
information requirements for valves subject to the requirements of 264.1057(g)&(h)		264.1064(h)					
		264.1064(h)(1)					
	79	264.1064(h)(2)					
information requirements for valves complying with 264.1062		264.1064(i)					
		264.1064(i)(1)					
	79	264.1064(i)(2)					
additional information requirements	79	264.1064(j)					
criteria required in 264.1052(d)(5)(ii) and 264.1053(e)(2) and an explanation of the design criteria	79	264.1064(j)(1)					
any changes to the criteria and the reasons for the changes	79	264.1064(j)(2)					

CONSOLIDATED CHECKLIST C5
40 CFR Part 264, Subparts W-BB, as of June 30, 1997 (cont'd)

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
information requirements to be recorded in a log for determining exemptions as provided in the applicability section of Subpart BB and other specific Subparts	79	264.1064(k)					
		264.1064(k)(1)					
		264.1064(k)(2)					
		264.1064(k)(3)					
records of equipment leak and operating information need be kept for only three years	79	264.1064(l)					
the owner or operator of facility subject to Subpart BB and to regulations at 40 CFR Part 60, Subpart VV, or 40 CFR Part 61, Subpart V, may elect to determine compliance by documentation either pursuant to 264.1064 or provisions of 40 CFR Part 60 or Part 61, to the extent that the documentation duplicates the documentation required under Subpart BB	79	264.1064(m)					
REPORTING REQUIREMENTS							
a semiannual report submitted by owners or operators to Regional Administrator by specified dates	79	264.1065(a)					

FEDERAL REQUIREMENTS	CHECKLIST REFERENCE	FEDERAL RCRA CITATION	ANALOGOUS STATE CITATION	STATE ANALOG IS: EQUIV-ALENT	LESS STRIN-GENT	MORE STRIN-GENT	BROADER IN SCOPE
		264.1065(a)(1)					
		264.1065(a)(2)					
		264.1065(a)(2)(i)					
		264.1065(a)(2)(ii)					
		264.1065(a)(2)(iii)					
specific information the semiannual report must		264.1065(a)(3)					
contain	79	264.1065(a)(4)					
a report to Regional Administrator not required if, during the semiannual reporting period, leaks from valves, pumps, and compressors are repaired per 264.1057(d), 264.1052(c) and (d)(6) and 264.1053(g) requirements and the control device does not exceed or operate outside 264.1064(e) specifications for more than 24 hours	79	264.1065(b)					

1 The Federal Register for Revision Checklist 92 (56 FR 30192; July 1, 1991) introduced a typographical error by incorrectly changing "in sufficient detail" to "insufficient detail". This typographical error was corrected by Revision Checklist 120 (57 FR 61492; December 24, 1992) to read "in sufficient detail".

2 When this paragraph was revised by Revision Checklist 120, the instructions for revising it were unclear. According to EPA, the last sentence of 264.571(b), which introduces the subparagraphs, is to be removed, as well as subparagraphs (b)(1), (2), and (3). A technical correction will be published in the Federal Register in the future.

3 Sections 264.572 through 264.575 were originally introduced to the Federal code by Revision Checklist 82. Revision Checklist 92 subsequently revised these sections and moved the provisions at 264.575 to 264.572. It then redesignated the original 264.572 through 264.574 as 264.573 through 264.575.

[4] This paragraph was originally introduced into the Federal code as 264.572(a)(4) by Revision Checklist 82 and redesignated as 264.573(a)(4) by Revision Checklist 92. Revision Checklist 120 completely revised the paragraph by removing the old 264.573(a)(4) and replacing it with 264.573(a)(4)(i) and 264.573(a)(4)(ii) .

[5] There are two typographical errors in this paragraph in the Federal Register for Revision Checklist 120; in both occurrences, "1x10-^{7}" should be "1x10^{-7}."

[6] Note that the Federal Register for Revision Checklist 120 is in error. According to EPA, the last line of 264.573(a)(4)(i) should read "§ 264.572(b) instead of § 264.572(a)" rather than "§ 264.572(a) instead of § 264.572(b)." As written, the code contradicts what is said in the 264.572(a)&(b) requirements.

[7] Note that two administrative stays are removed at this citation. Revision Checklist 91 (56 FR 27332; June 13, 1991) added a note regarding an administrative stay with no ending date for new pads at 264.572(a)(4). However, 264.572(a)(4) was redesignated as 264.573(a)(4) by revision Checklist 92. Because of this redesignation, the Revision Checklist 91 administrative stay was incorrectly omitted in the July 1, 1991 and July 1, 1992 CFRs. Revision Checklist 101 (57 FR 5859; February 18, 1992) added a second note addressing an administrative stay for existing drip pads at wood preserving plants until October 31, 1992. These notes were removed by Revision Checklist 120 (57 FR 61492; December 24, 1992) when the administrative stays were terminated by the Federal Register for that checklist. This same Federal Register does not clearly indicate that these notes regarding administrative stays be removed; however, according to EPA, they should be removed. A technical correction will be published in the Federal Register in the future.

[8] Note that there is a typographical error in the text of 264.573(a)(5) in the Federal Register addressed by Revision Checklist 92 (56 FR 30192; July 1, 1991); "daily perations" should be "daily operations" as introduced into the code by Revision Checklist 82 (55 FR 50450).

[9] There is an error in the Federal Register for Revision Checklist 120 at 264.573(b). According to EPA, the phrase "§ 264.572(b) instead of § 264.572(a)" likely should be "§ 264.572(a) instead of § 264.572(b)." As currently written, the code contradicts the 264.572(a)&(b) requirements.

[10] The notes at the end of 264.1030 and 264.1050 were amended by Revision Checklist 154 to delete the reference to “262.34".

[11] Revision Checklist 154 redesignated 264.1033(l) and (m) as 264.1033(m) and (n) and inserted a new 264.1033(l).